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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6320069 B1

L4: Entry 1 of 3 File: USPT Nov 20, 2001

US-PAT-NO: 6320069
DOCUMENT-IDENTIFIER: US 6320069 B1
** See image for Certificate of Correction **

TITLE: Production of optically active ketone

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 5451687 A

L4: Entry 2 of 3 File: USPT Sep 19, 1995

US-PAT-NO: 5451687
DOCUMENT-IDENTIFIER: US 5451687 A
** See image for Certificate of Correction **

TITLE: Process for producing O,O'-diacyltartaric anhydride and process for producing O,O'-diacyltartaric acid

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 4275217 A

L4: Entry 3 of 3 File: USPT Jun 23, 1981

US-PAT-NO: 4275217
DOCUMENT-IDENTIFIER: US 4275217 A

TITLE: Process for the preparation of optically active .alpha.-amino acids and their derivatives

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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Terms	Documents

L1 and 560/$	3

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http://www.cas.org/infopolicy.html

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=> s diacyltartaric acid
            20 DIACYLTARTARIC
       4203034 ACID
L1            8 DIACYLTARTARIC ACID
                (DIACYLTARTARIC(W)ACID)

=> s l1 and amine
        269757 AMINE
L2            3 L1 AND AMINE

=> s l2 and resol?
        520966 RESOL?
L3            1 L2 AND RESOL?

=> d ibib abs hitstr

L3   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:606431  CAPLUS
DOCUMENT NUMBER:          141:140193
TITLE:                    Processes for the recovery of optically active
                          diacyltartaric acids
INVENTOR(S):              Morii, Seiji; Fujino, Toshihiro; Sato, Haruyo
PATENT ASSIGNEE(S):       Toray Fine Chemicals Co,. Ltd., Japan
SOURCE:                   PCT Int. Appl., 16 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2004063141         A1    20040729    WO 2003-JP16474         20031222
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
             NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
             TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003289487         A1    20040810    AU 2003-289487          20031222
     EP 1586551            A1    20051019    EP 2003-780993          20031222
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     CN 1738791            A     20060222    CN 2003-80108907        20031222
     US 2006058546         A1    20060316    US 2005-542498          20050715
PRIORITY APPLN. INFO.:                       JP 2003-8023         A  20030116
                                             WO 2003-JP16474      W  20031222

OTHER SOURCE(S):          CASREACT 141:140193
AB   Disclosed is a process of subjecting either a salt of an amine
     with an optically active diacyltartaric acid or a
     diastereomeric salt of an optically active amine with an
     optically active diacyltartaric acid which is obtained
     by optical resoln. of a racemic amine by use of an
     optically active diacyltartaric acid to salt exchange
     with an aqueous acid solution, wherein an optically active diacyltartaric
     acid is preliminarily added to the aqueous acid solution  Also disclosed
     is a process which comprises subjecting a raw material containing a racemic
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amine and an optically active diacyltartaric acid to optical resoln. to recover one of the diastereomeric salts of optical isomers of the amine with the optically active diacyltartaric acid, treating the recovered diastereomeric salt with an aqueous acid solution to which an optically active diacyltartaric acid has been preliminarily added to recover a free optically active diacyltartaric acid, and recycling the free optically active diacyltartaric acid to the optical resoln. step as the raw material. This process efficiently recovers optically active diacyltartaric acid which can be recycled for as resolving agent in preparation of optically active amines. Thus, 1,2-diaminopropane 14.8, di-p-toluoyl-D-tartaric acid (optical purity 99.5% e.e.) 40.4, and 35% aqueous HCl solution 18.8 g were warmed to 60° with stirring, dissolved, cooled to 25°, and filtered to give a diastereomer salt (37.5 g) and a filtrate mother liquor (203.5 g). The diastereomer salt (76% e.e. 1,2-diaminopropane) was recrystd. for H2O to give 20.8 g of the diastereomer salt (98.5% e.e. 1,2-diaminopropane). Di-p-toluoyl-D-tartaric acid (0.5 g) was added to a mixture of 6.7 g 95% H2SO4 and 115 g H2O with stirring to form a slurry followed by adding 0.5 g of the diastereomer salt, and the resulting mixture was stirred for 10 min. After confirming the crystallization of di-p-toluoyl-D-tartaric acid by salt exchange reaction, 20.8 g of the diastereomer salt was added portionwise over 1 h and the stirring was continued for another 2 h. The precipitated crystals were filtered and dried to give 17.6 g di-p-toluoyl-D-tartaric acid (98.0% recovery yield and 99.5% optical purity).

=> d l2 1-3 ibib abs hitstr

L2 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:606431 CAPLUS
DOCUMENT NUMBER: 141:140193
TITLE: Processes for the recovery of optically active diacyltartaric acids
INVENTOR(S): Morii, Seiji; Fujino, Toshihiro; Sato, Haruyo
PATENT ASSIGNEE(S): Toray Fine Chemicals Co,. Ltd., Japan
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004063141	A1	20040729	WO 2003-JP16474	20031222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003289487	A1	20040810	AU 2003-289487	20031222
EP 1586551	A1	20051019	EP 2003-780993	20031222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1738791	A	20060222	CN 2003-80108907	20031222

US 2006058546 A1 20060316 US 2005-542498 20050715
PRIORITY APPLN. INFO.: JP 2003-8023 A 20030116
WO 2003-JP16474 W 20031222

OTHER SOURCE(S): CASREACT 141:140193

AB Disclosed is a process of subjecting either a salt of an amine with an optically active diacyltartaric acid or a diastereomeric salt of an optically active amine with an optically active diacyltartaric acid which is obtained by optical resolution of a racemic amine by use of an optically active diacyltartaric acid to salt exchange with an aqueous acid solution, wherein an optically active diacyltartaric acid is preliminarily added to the aqueous acid solution Also disclosed is a process which comprises subjecting a raw material containing a racemic amine and an optically active diacyltartaric acid to optical resolution to recover one of the diastereomeric salts of optical isomers of the amine with the optically active diacyltartaric acid, treating the recovered diastereomeric salt with an aqueous acid solution to which an optically active diacyltartaric acid has been preliminarily added to recover a free optically active diacyltartaric acid, and recycling the free optically active diacyltartaric acid to the optical resolution step as the raw material. This process efficiently recovers optically active diacyltartaric acid which can be recycled for as resolving agent in preparation of optically active amines. Thus, 1,2-diaminopropane 14.8, di-p-toluoyl-D-tartaric acid (optical purity 99.5% e.e.) 40.4, and 35% aqueous HCl solution 18.8 g were warmed to 60° with stirring, dissolved, cooled to 25°, and filtered to give a diastereomer salt (37.5 g) and a filtrate mother liquor (203.5 g). The diastereomer salt (76% e.e. 1,2-diaminopropane) was recrystd. for H2O to give 20.8 g of the diastereomer salt (98.5% e.e. 1,2-diaminopropane). Di-p-toluoyl-D-tartaric acid (0.5 g) was added to a mixture of 6.7 g 95% H2SO4 and 115 g H2O with stirring to form a slurry followed by adding 0.5 g of the diastereomer salt, and the resulting mixture was stirred for 10 min. After confirming the crystallization of di-p-toluoyl-D-tartaric acid by salt exchange reaction, 20.8 g of the diastereomer salt was added portionwise over 1 h and the stirring was continued for another 2 h. The precipitated crystals were filtered and dried to give 17.6 g di-p-toluoyl-D-tartaric acid (98.0% recovery yield and 99.5% optical purity).

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:71859 CAPLUS
DOCUMENT NUMBER: 136:112680
TITLE: 2,3-Diacyltartaric acid salts of E-metanicotine for treatment of central nervous system disorders
INVENTOR(S): Dull, Gary Maurice
PATENT ASSIGNEE(S): Targacept, Inc., USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002005801	A2	20020124	WO 2001-US40689	20010504
WO 2002005801	A3	20020808		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,

VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6743812	B1	20040601	US 2000-616187	20000714
CA 2415906	AA	20020124	CA 2001-2415906	20010504
EP 1317267	A2	20030611	EP 2001-935766	20010504
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001012131	A	20030902	BR 2001-12131	20010504
JP 2004503589	T2	20040205	JP 2002-511734	20010504
ZA 2003000132	A	20040406	ZA 2003-132	20030106
NO 2003000156	A	20030313	NO 2003-156	20030113
PRIORITY APPLN. INFO.:			US 2000-616187 A	20000714
			WO 2001-US40689 W	20010504

AB Patients susceptible to or suffering from conditions and disorders, such as central nervous system disorders, are treated by administering to a patient in need thereof compns. that are 2,3-diacyltartaric acid salts of E-metanicotine. Examples are given for determination of binding to relevant receptor sites and preparation of (2S)-(4E)-N-methyl-5-[3-(5-isopropoxypyridin)yl]-4-penten-2-amine hemi(di-p-toluoyl-L-tartrate).

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2002:71856 CAPLUS
DOCUMENT NUMBER:	136:112679
TITLE:	2,3-Diacyltartaric acid salts of nicotinic compounds for treatment of central nervous system disorders
INVENTOR(S):	Dull, Gary Maurice; Leconte, Jean-Pierre; Kabir, Humayun
PATENT ASSIGNEE(S):	Targacept, Inc., USA; Aventis Pharma S.A.
SOURCE:	PCT Int. Appl., 51 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002005798	A2	20020124	WO 2001-US21872	20010711
WO 2002005798	A3	20030313		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6432954	B1	20020813	US 2000-616743	20000714
CA 2415901	AA	20020124	CA 2001-2415901	20010711
AU 2002022909	A5	20020130	AU 2002-22909	20010711
EP 1311265	A2	20030521	EP 2001-984212	20010711
EP 1311265	B1	20041229		
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BR 2001012130	A	20030902	BR 2001-12130	20010711
JP 2004509851	T2	20040402	JP 2002-511731	20010711
NZ 523606	A	20041224	NZ 2001-523606	20010711
AT 285773	E	20050115	AT 2001-984212	20010711
CN 1680326	A	20051012	CN 2005-10054159	20010711

ZA 2003000135	A	20040406	ZA 2003-135		20030106
NO 2003000155	A	20030313	NO 2003-155		20030113
AU 2006202005	A1	20060601	AU 2006-202005		20060512
PRIORITY APPLN. INFO.:			US 2000-616743	A	20000714
			CN 2001-812792	A3	20010711
			WO 2001-US21872	W	20010711

AB Patients susceptible to or suffering from conditions and disorders, such as central nervous system disorders, are treated by administering to a patient in need thereof compns. that are 2,3-diacyltartaric acid salts of nicotinic compds., and particularly, nicotinic compds. that are characterized as aryl substituted amines (e.g., aryl substituted olefinic amines). Examples are given for determination of binding to relevant receptor sites and preparation of (2S)-(4E)-N-methyl-5-[3-(5-isopropoxypyridin)yl]-4-penten-2-amine hemi(di-p-toluoyl-L-tartrate).

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Refine Search

Search Results -

Terms	Documents
L1 and 560/$	3

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, September 04, 2006 **Purge Queries** Printable Copy Create Case

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DB=USPT; PLUR=YES; OP=ADJ			
L4	l1 and 560/$	3	L4
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L3	salt adj7 diacyltartaric acid and amine	5	L3
L2	diacyltartaric acid.ti. and l1	4	L2
L1	diacyltartaric acid and amine	20	L1

END OF SEARCH HISTORY